



Strainers

Roof drains shall be equipped with strainers extending four (4) inches above the roof surface adjacent to the drain. Openings in strainers shall have minimum openings of one-half (1/2) by one-half (1/2) inch.

- (a) The minimum inlet area of the strainer shall be one hundred-fifty (150) percent of the drain area.
- (b) Flat strainers for use in occupied areas, such as sun decks or parking decks, shall have an inlet area two hundred (200) percent of the drain area.

Overflows

Where roof drains are installed, overflow drains having the same size as the roof drains shall be installed.

- (a) Overflow drains shall be located with the inlet two inches above the low point of the roof. See Fig. D-1.
- (b) Overflow drains shall be connected to piping independent of the roof drainage piping, so that a plugged drain will not overload the roof.
- (c) Scuppers through parapet walls adjacent to the low point of the roof may be used as overflows. The inlet shall be not more than two (2) inches above the low point of the roof. A two (2) inch depth of water translates into a live load of 10.4 psi well below the 20 psi minimum design load required by the Uniform Building Code.
- (d) Scuppers shall have an area of three times the area of the roof drains, with a minimum opening height of four (4) inches.

